

What is claimed is:

1. A scroll type compressor comprising:

a housing;

5 a fixed scroll member fixed in the housing, the fixed scroll member having a fixed base plate and a fixed spiral wall that extends from the fixed base plate;

a movable scroll member placed in the housing, the movable scroll member having a movable base plate and a movable spiral wall that extends from the movable base plate, the movable spiral wall being engaged with the
10 fixed spiral wall, a compression chamber being defined between the movable spiral wall and the fixed spiral wall, the compression chamber being gradually reduced in volume as refrigerant in the compression chamber is gradually compressed and is moved toward a center side of the spiral walls by orbital movement of the movable scroll member relative to the fixed scroll member;

15 an elastic member formed in an annular and planar shape, the elastic member being fixed in the housing on a side of a back surface of the movable base plate so as to slidably contact the back surface of the movable base plate at a sliding region of the elastic member; and

a facing wall provided on a side opposite to a side of the movable scroll
20 member with respect to the elastic member, wherein a first space is formed between the elastic member and the facing wall for allowing the elastic member to be elastically deformed, the elastic member being elastically deformed toward

the facing wall by press-contacting the movable scroll member, whereby the movable scroll member is urged toward the fixed scroll member.

2. The scroll type compressor according to claim 1, wherein the facing wall
5 includes a restrictive portion for restricting the amount of the elastic deformation of the elastic member by contacting the elastic member.

3. The scroll type compressor according to claim 1, wherein a back
pressure chamber is defined in the housing on the side of the back surface of the
10 movable base plate, the movable scroll member being urged toward the fixed scroll member by urging force resulting from pressure in the back pressure chamber.

4. The scroll type compressor according to claim 3, wherein the sliding
15 region of the elastic member is press-contacted by the movable scroll member in a second annular contact region, the back pressure chamber being sealed at a press-contact part between the elastic member and the movable scroll member.

5. The scroll type compressor according to claim 1, wherein the elastic
20 member is fixed at a radially outer portion of the elastic member.

6. The scroll type compressor according to claim 5, wherein the facing wall

includes a support portion at a position facing an inner peripheral portion of the elastic member for supporting the inner peripheral portion of the elastic member by contacting the inner peripheral portion of the elastic member.

5 7. The scroll type compressor according to claim 5, wherein the movable scroll member is accommodated in a scroll chamber that is defined in the housing by an outer hull of the scroll chamber, wherein the outer hull includes a plurality of outer hull members joined to each other, wherein the elastic member is fixed in the housing in such a manner that the radially outer portion of the elastic member
10 is sandwiched at a joining part between the adjacent outer hull members.

8. The scroll type compressor according to claim 7, wherein the radially outer portion of the elastic member serves to seal the joining part between the adjacent outer hull members in such a manner that the radially outer portion is
15 sandwiched at the joining part in a first annular contact region.

9. The scroll type compressor according to claim 7, wherein an oblong through hole is formed in the radially outer portion of the elastic member so as to extend through the radially outer portion of the elastic member, the oblong
20 through hole and the adjacent outer hull members defining a second space that is utilized as a passage for gas.

10. The scroll type compressor according to claim 9, wherein a back pressure chamber is defined in the scroll chamber on the side of the back surface of the movable base plate, wherein a discharge pressure region is defined in the housing, wherein a pressure supply passage is formed in the housing and
5 interconnecting the back pressure chamber with the discharge pressure region, the second space being utilized as a part of the pressure supply passage.

11. The scroll type compressor according to claim 1, wherein the whole of the elastic member is formed in a planar shape.

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12. The scroll type compressor according to claim 1, wherein the elastic member is fixed at a radially inner portion of the elastic member.

13. The scroll type compressor according to claim 12, wherein the elastic
15 member is fixed in the housing by bolting the radially inner portion of the elastic member to the facing wall with a bolt.